GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:2832
ANSWERED ON:05.12.2002
POWER GENERATED BY SOLAR ENERGY
PRABHA RAU

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the details of the total capacity and power generated from Solar Energy Power Plants in the country, State-wise and number of families benefited therefrom during the last three years;

(b) whether the power supplied from these plants is sufficient for domestic and other uses; and

(c) if not, the steps taken by the Government in the forms of subsidies, tariff structure and incentives to support the States for the facilitation and exploration of existing and new non-conventional energy sources?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a),(b)&(c) : The State-wise details of the solarpower plants installed in the country as on 31st March, 2002 under the Ministry`s programmes and the estimated annual energy generation from these power plants are given in the Annexure. The aggregate Solar Photovoltaic (SPV) capacity of these power plants is 3,783 kWp, including the 1,329 kWp capacity that was added during the last three years. Out of these, power plants of about 1,200 kWp SPV capacity have been installed in rural and remote areas. These power plants provide electricity for lighting, TV, fan, radio and other domestic uses and small shops for about 4-5 hours daily. Based on an average number of 20 families benefited per KWp installed capacity, it is estimated that around 24,000 families are benefiting from such solar power plants. A further 2.24 lakh families are benefiting from solar home lighting systems installed in their homes.

The Government is also supporting the States forexploration and utilization of the existing and new non-conventional energy sources by providing grants for investigations and resources surveys and preparation of detailed projects reports. Implementation of projects is supported under capital and / or interest subsidy schemes of the Ministry. The interest subsidy schemes of the Ministry are being implemented through the Indian Renewable Energy Development Agency (IREDA) Limited and some banks. Further, tax benefits and concessional duties are also available for manufacturers and commercial users of such systems.

Annexure referred to in reply to parts (a),(b)&(c) of Lok Sabha Unstarred QuestionNo. 2832 for 5.12.2002 regarding Power generated by Solar Energy.

Details of Solar Power Projects Installed as on 31/3/2002 under the Programmesof the Ministry of Non-Conventional Energy Sources and estimated annual energy generation from these plants

S.No.	State/UT/Others	Solar power Plants(kWp)	Estimated Annual Energy Generation (Thousand units)
1	ANDHRA PRADESH	296.60	445
2	ARUNACHAL PRADESH	7.9	12
3	ASSAM	3	5
4	GOA	1.72	3
5	GUJARAT	39.70	60
6	HARYANA	24.2	36
7	JAMMU & KASHMIR	40	60
8	KARNATAKA	33.0	50
9	KERALA	69.70	105
10	MADHYA PRADESH	362.40	544
11	MAHARASHTRA	191.44	287
12	MANIPUR	11	17
13	MEGHALAYA	42	63
14	NAGALAND	6	9
15	ORISSA	36.50	55
16	PUNJAB	151	227
17	RAJASTHAN	90.40	136
18	TAMILNADU	242	363
19	TRIPURA	24.57	37
20	UTTAR PRADESH	424	636
21	UTTARANCHAL	80	120

22	WEST BENGAL	453.70	681
23	A & N ISLANDS	167	251
24	DELHI	15	23
25	LAKSHADWEEP ISLANDS	385	578
26	OTHERS (NGOs, PSUs, States programme)	584	877
	TOTAL	3783	5675